

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start		Rating **	M	Issue No.	38
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD0536_01_s_2012_38				
Comment Code					
Inspector Comment					
The District does not have a staff only land owners.					

No Photos

LM Start		Rating **	A	Issue No.	39
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD0536_01_s_2012_39				
Comment Code					
Inspector Comment					
District has copy of O+M manual as of 10/7/2017.					

No Photos

LM Start		Rating **	M	Issue No.	40
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD0536_01_s_2012_40				
Comment Code					
Inspector Comment					
District has stock of sandbags and tarps but other materials such as shovels are with landowners. No supply of sand.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	0.00	Rating **	U	Issue No.	57	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.244963 °	38.244963 °	
				-121.768960 °	-121.768960 °	
DWR ID	22712					
Comment Code						
Inspector Comment						
FS_ID:53359 DS_ID:22712 EP_NO: 10114 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/2/2018 Holes present in pipe pose internal levee threat; keeping as Urgent (D. Sanoski - DWR UCIP).06/01/2016: Holes and heavy corrosion inside pipe on WS have gotten worse. Flapgates appear in good condition though vegetation blocks view of flapgate for 36-inch on WS. These pipes are still in use and necessary for drainage; pipes may be eligible for repair under DWR Deferred Maintenance Program. (K. Fazel - UCIP)08/13/2013:- Holes in pipe outlet due to heavy corrosion.- Needs detailed investigation of the pipe.- Headwall cracked and tilted on WS. (P. Amatya - DWR) FIELD_STRUCT_DESC: 1 of 2: 60-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS). Headwall on each end. Culverts run under the road to provide drainage from agricultural fields via a landside (LS) ditch to Lindsey Slough. No. 100 gate in the LS drainage ditch. Reclamation District No. 536 (RD0536) president is David Hearn at hearnd5@gmail.com. (Retention of one 60-inch and one 36-inch drainage pipes through the levee, 10 feet and 6.5 feet below the crown, respectively, and flap gates on the WS ends authorized under Automatic Board Order (ABO) issued as Permit No. 10114, 1974 - H. E. Peterson). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 106, May 1953, (Station 294+49 ""A""), invert elevation 14.4 feet]. FS Date: 10/2/2018 1:53:00 PM						

Photo 1 of 3 : UCIP_SP_2019_53359_34457.jpg



WS view: two CMPs with flap gates. Concrete headwall supports the pipes. A 36" CMP (left) and 60" CMP (right).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	0.00	Rating **	U	Issue No.	57 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DWR UCIP LMA Responsibility			38.244963 °		38.244963 °
				-121.768960 °		-121.768960 °
DWR ID	22712					
Comment Code						
Inspector Comment						
FS_ID:53359 DS_ID:22712 EP_NO: 10114 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/2/2018 Holes present in pipe pose internal levee threat; keeping as Urgent (D. Sanoski - DWR UCIP).06/01/2016: Holes and heavy corrosion inside pipe on WS have gotten worse. Flapgates appear in good condition though vegetation blocks view of flapgate for 36-inch on WS. These pipes are still in use and necessary for drainage; pipes may be eligible for repair under DWR Deferred Maintenance Program. (K. Fazel - UCIP)08/13/2013:- Holes in pipe outlet due to heavy corrosion.- Needs detailed investigation of the pipe.- Headwall cracked and tilted on WS. (P. Amatya - DWR) FIELD_STRUCT_DESC: 1 of 2: 60-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS). Headwall on each end. Culverts run under the road to provide drainage from agricultural fields via a landside (LS) ditch to Lindsey Slough. No. 100 gate in the LS drainage ditch. Reclamation District No. 536 (RD0536) president is David Hearn at hearnd5@gmail.com. (Retention of one 60-inch and one 36-inch drainage pipes through the levee, 10 feet and 6.5 feet below the crown, respectively, and flap gates on the WS ends authorized under Automatic Board Order (ABO) issued as Permit No. 10114, 1974 - H. E. Peterson). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 106, May 1953, (Station 294+49 ""A""), invert elevation 14.4 feet]. FS Date: 10/2/2018 1:53:00 PM						

Photo 2 of 3 : UCIP_SP_2019_53359_34456.jpg



LS view: two inlet CMPs with flap gates. Concrete headwall supports the pipes. A 36" CMP (right) and 60" CMP (left).

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	0.00	Rating **	U	Issue No.	57 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.244963 °	38.244963 °	
				-121.768960 °	-121.768960 °	
DWR ID	22712					
Comment Code						
Inspector Comment						
FS_ID:53359 DS_ID:22712 EP_NO: 10114 Repair Type: Urgent Crossing Status: Found UCIP Comments: 10/2/2018 Holes present in pipe pose internal levee threat; keeping as Urgent (D. Sanoski - DWR UCIP).06/01/2016: Holes and heavy corrosion inside pipe on WS have gotten worse. Flapgates appear in good condition though vegetation blocks view of flapgate for 36-inch on WS. These pipes are still in use and necessary for drainage; pipes may be eligible for repair under DWR Deferred Maintenance Program. (K. Fazel - UCIP)08/13/2013:- Holes in pipe outlet due to heavy corrosion.- Needs detailed investigation of the pipe.- Headwall cracked and tilted on WS. (P. Amatya - DWR) FIELD_STRUCT_DESC: 1 of 2: 60-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS). Headwall on each end. Culverts run under the road to provide drainage from agricultural fields via a landside (LS) ditch to Lindsey Slough. No. 100 gate in the LS drainage ditch. Reclamation District No. 536 (RD0536) president is David Hearn at hearnd5@gmail.com. (Retention of one 60-inch and one 36-inch drainage pipes through the levee, 10 feet and 6.5 feet below the crown, respectively, and flap gates on the WS ends authorized under Automatic Board Order (ABO) issued as Permit No. 10114, 1974 - H. E. Peterson). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 106, May 1953, (Station 294+49 ""A""), invert elevation 14.4 feet]. FS Date: 10/2/2018 1:53:00 PM						

Photo 3 of 3 : UCIP_SP_2019_53359_34455.jpg



LS view: holes & cracks on CM pipe due to heavy corrosion. Needs detailed investigation of the pipe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	0.00	Rating **	U	Issue No.	58
LM End	0.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.244959 °	38.244959 °
				-121.768921 °	-121.768921 °
DWR ID	22726				

Comment Code

Inspector Comment

FS_ID:53360
DS_ID:22726
EP_NO: 10114
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 10/2/2018 Vegetation blocked WS view of pipe, though a hole directly above WS inlet pipe could be a sinkhole. Keeping as Urgent and recommend internal inspection due to holes in 60-inch pipe (D. Sanoski - DWR UCIP).06/01/2016 Pipe is not abandoned. Though neglected, it is still functional and a needed system feature. Pipe is severely corroded with holes in it, which are visible on LS. Vegetation blocks view of flapgate on WS. Pipes may be eligible for repair under DWR Deferred Maintenance Program. (K. Fazel - UCIP)08/13/2013 This pipe seems to be abandoned. Headwall cracked and tilted on WS. (P. Amatya)
FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS). Headwall on each end. Culverts run under the road to provide drainage from agricultural fields via a landside (LS) ditch to Lindsey Slough. No. 100 gate in the LS drainage ditch. Reclamation District No. 536 (RD0536) president is David Hearn at hearnd5@gmail.com. (Retention of one 60-inch and one 36-inch drainage pipes through the levee, 10 feet and 6.5 feet below the crown, respectively, and flap gates on the WS ends authorized under Automatic Board Order (ABO) issued as Permit No. 10114, 1974 - H. E. Peterson). [Additional Reference(s): DWR Levee Log, 1992, referenced as 6.5 feet below the crown. USACE Sacramento O&M Manual 106, May 1953, (Station 294+49 "'A'"), invert elevation 14.4 feet].
FS Date: 10/2/2018 2:10:00 PM

Photo 1 of 3 : UCIP_SP_2019_53360_34771.jpg



WS view: concrete headwall, flap gates on 36" CMP (left) and 60" CMP (right)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	0.00	Rating **	U	Issue No.	58 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DWR UCIP LMA Responsibility		38.244959 °	38.244959 °	
			-121.768921 °	-121.768921 °	
DWR ID	22726				

Comment Code

Inspector Comment

FS_ID:53360
DS_ID:22726
EP_NO: 10114
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 10/2/2018 Vegetation blocked WS view of pipe, though a hole directly above WS inlet pipe could be a sinkhole. Keeping as Urgent and recommend internal inspection due to holes in 60-inch pipe (D. Sanoski - DWR UCIP).06/01/2016 Pipe is not abandoned. Though neglected, it is still functional and a needed system feature. Pipe is severely corroded with holes in it, which are visible on LS. Vegetation blocks view of flapgate on WS. Pipes may be eligible for repair under DWR Deferred Maintenance Program. (K. Fazel - UCIP)08/13/2013 This pipe seems to be abandoned. Headwall cracked and tilted on WS. (P. Amatya)
FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS). Headwall on each end. Culverts run under the road to provide drainage from agricultural fields via a landside (LS) ditch to Lindsey Slough. No. 100 gate in the LS drainage ditch. Reclamation District No. 536 (RD0536) president is David Hearn at hearnd5@gmail.com. (Retention of one 60-inch and one 36-inch drainage pipes through the levee, 10 feet and 6.5 feet below the crown, respectively, and flap gates on the WS ends authorized under Automatic Board Order (ABO) issued as Permit No. 10114, 1974 - H. E. Peterson). [Additional Reference(s): DWR Levee Log, 1992, referenced as 6.5 feet below the crown. USACE Sacramento O&M Manual 106, May 1953, (Station 294+49 "'A'"), invert elevation 14.4 feet].
FS Date: 10/2/2018 2:10:00 PM

Photo 2 of 3 : UCIP_SP_2019_53360_34770.jpg



WS view: cracked and tilted concrete headwall.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

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Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	0.00	Rating **	U	Issue No.	58 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP LMA Responsibility			38.244959 °	38.244959 °
				-121.768921 °	-121.768921 °
DWR ID	22726				

Comment Code

Inspector Comment

FS_ID:53360
DS_ID:22726
EP_NO: 10114
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 10/2/2018 Vegetation blocked WS view of pipe, though a hole directly above WS inlet pipe could be a sinkhole. Keeping as Urgent and recommend internal inspection due to holes in 60-inch pipe (D. Sanoski - DWR UCIP).06/01/2016 Pipe is not abandoned. Though neglected, it is still functional and a needed system feature. Pipe is severely corroded with holes in it, which are visible on LS. Vegetation blocks view of flapgate on WS. Pipes may be eligible for repair under DWR Deferred Maintenance Program. (K. Fazel - UCIP)08/13/2013 This pipe seems to be abandoned. Headwall cracked and tilted on WS. (P. Amatya)
FIELD_STRUCT_DESC: 2 of 2: 36-inch corrugated metal gravity drainage pipe through the levee, 10 feet below the crown. Flap gate on the waterside (WS). Headwall on each end. Culverts run under the road to provide drainage from agricultural fields via a landside (LS) ditch to Lindsey Slough. No. 100 gate in the LS drainage ditch. Reclamation District No. 536 (RD0536) president is David Hearn at hearnd5@gmail.com. (Retention of one 60-inch and one 36-inch drainage pipes through the levee, 10 feet and 6.5 feet below the crown, respectively, and flap gates on the WS ends authorized under Automatic Board Order (ABO) issued as Permit No. 10114, 1974 - H. E. Peterson). [Additional Reference(s): DWR Levee Log, 1992, referenced as 6.5 feet below the crown. USACE Sacramento O&M Manual 106, May 1953, (Station 294+49 "'A'"), invert elevation 14.4 feet].
FS Date: 10/2/2018 2:10:00 PM

Photo 3 of 3 : UCIP_SP_2019_53360_34769.jpg



LS view: concrete headwall, 36" CMP (right) and 60" CMP (left)

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	0.28	Rating **	M	Issue No.	21
LM End	0.28	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.245607 °	38.245607 °
				-121.763993 °	-121.763993 °
DWR ID	DWR_RD0536_01_s_2017_21				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Crown rutting has been reduced by regrading and addition of base rock in RD536, but large depression exists. Should be repaired.					

Photo 1 of 2 : SP_2019_RD0536_208_21_20190311_00010.jpg



Depression in the road. It has been graded but some depressions still exist (September 2018).

LM Start	0.28	Rating **	M	Issue No.	21 (cont)
LM End	0.28	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : SP_2019_RD0536_208_21_20190311_00011.jpg



Crown should be graded and surfaced with base rock.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	0.31	Rating **	A/W	Issue No.	59	
LM End	0.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.245605 °	38.245605 °	
				-121.763441 °	-121.763441 °	
DWR ID	22713					
Comment Code						
Inspector Comment						
FS_ID:49313						
DS_ID:22713						
EP_NO: 10114						
Repair Type: No Action Needed						
Crossing Status: Found						
UCIP Comments: 06/01/2016 Debris cleared and flapgate is no longer blocked. 08/13/2013 Outlet was blocked by concrete debris and dirt.Needs cleaning of debris.						
FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Headwall on each end, not found in 2013 or 2016. No. 100 gate on the WS. Concrete debris on the WS slope. This crossing is also used for irrigation. 1-inch polyvinyl chloride (PVC) pipe sleeved through the 24-inch pipe, visible through the landside (LS) end. According to David Hearn, Reclamation District No. 536 (RD0536) president, the PVC pipe does not connect all the way through. Present landowner, as of 2016, is Solano Land Trust, and the pipe runs through the Jepson Prairie Reserve, managed by the University of California, Davis, (UC Davis). (Retention of a 24-inch drainage pipe through the levee, 10.5 feet below the crown, and a flap gate on the WS end authorized under Automatic Board Order (ABO) issued as Permit No. 10114, 1974 - H. E. Peterson). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 106, May 1953, (Station 274+00 "'A'"), invert elevation 15.8 feet].						
FS Date: 6/1/2016						

LM Start	0.31	Rating **	A/W	Issue No.	59 (cont)
LM End	0.31	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2019_49313_34774.jpg



WS view: overview of exposed CM pipe on levee slope.

Photo 2 of 3 : UCIP_SP_2019_49313_34773.jpg



WS view: CM pipe blocked by concrete debris on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	0.31	Rating **	A/W	Issue No.	59 (cont)	
LM End	0.31	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.245605 °	38.245605 °	
				-121.763441 °	-121.763441 °	
DWR ID	22713					
Comment Code						
Inspector Comment						
FS_ID:49313 DS_ID:22713 EP_NO: 10114 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: 06/01/2016 Debris cleared and flapgate is no longer blocked. 08/13/2013 Outlet was blocked by concrete debris and dirt.Needs cleaning of debris. FIELD_STRUCT_DESC: 24-inch corrugated metal gravity drainage pipe through the levee, 10.5 feet below the crown. Flap gate on the waterside (WS) end. Headwall on each end, not found in 2013 or 2016. No. 100 gate on the WS. Concrete debris on the WS slope. This crossing is also used for irrigation. 1-inch polyvinyl chloride (PVC) pipe sleeved through the 24-inch pipe, visible through the landside (LS) end. According to David Hearn, Reclamation District No. 536 (RD0536) president, the PVC pipe does not connect all the way through. Present landowner, as of 2016, is Solano Land Trust, and the pipe runs through the Jepson Prairie Reserve, managed by the University of California, Davis, (UC Davis). (Retention of a 24-inch drainage pipe through the levee, 10.5 feet below the crown, and a flap gate on the WS end authorized under Automatic Board Order (ABO) issued as Permit No. 10114, 1974 - H. E. Peterson). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 106, May 1953, (Station 274+00 ""A""), invert elevation 15.8 feet]. FS Date: 6/1/2016						

Photo 3 of 3 : UCIP_SP_2019_49313_34772.jpg



LS view: open CM pipe end on levee slope.

LM Start	0.67	Rating **	M	Issue No.	14
LM End	0.98	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.249615 °	38.253717 °
				-121.760165 °	-121.757979 °
DWR ID	DWR_RD0536_01_f_2018_14				
Comment Code					
Inspector Comment					
2017 Site ID: LDS 0.6 R					
Status: Eroding					
2017 Field Notes: Appears to be cow paths along slope causing erosion.					
Site History: 2011 - Multiple sections of slumping bank. 2016 - Bank continues to erode.					
2019 Field Notes: Riprap placed in at least 1 large erosion spot					

Photo 1 of 2 : SP_2019_RD0536_208_14_20190412_00055.jpg



View looking upstream at cow ruts on the waterside slope (Spring 2019).

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	0.67	Rating **	M	Issue No.	14 (cont)
LM End	0.98	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.249615 °	38.253717 °
				-121.760165 °	-121.757979 °
DWR ID	DWR_RD0536_01_f_2018_14				
Comment Code					
Inspector Comment					
2017 Site ID: LDS 0.6 R					
Status: Eroding					
2017 Field Notes: Appears to be cow paths along slope causing erosion.					
Site History: 2011 - Multiple sections of slumping bank. 2016 - Bank continues to erode.					
2019 Field Notes: Riprap placed in at least 1 large erosion spot					

Photo 2 of 2 : SP_2019_RD0536_208_14_20190412_00056.jpg



View looking downstream at erosion spot with rock placed on it (Spring 2019).

LM Start	0.74	Rating **	M	Issue No.	31
LM End	1.80	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.250513 °	38.259690 °
				-121.759383 °	-121.749481 °
DWR ID	DWR_RD0536_01_s_2019_31				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Remove annual vegetation from the crown road.					

Photo 1 of 1 : SP_2019_RD0536_208_31_20190412_00057.jpg



View looking downstream at vegetation on the crown (Spring 2019).

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	1.10	Rating **	A/W	Issue No.	60	
LM End	1.10	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.255412 °	38.255412 °	
				-121.757605 °	-121.757605 °	
DWR ID	22715					
Comment Code						
Inspector Comment						
FS_ID:20444 DS_ID:22715 EP_NO: 10115 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Pipe was submerged into water and not visible.Steel bar fence on both sides of the levee. FIELD_STRUCT_DESC: 42-inch corrugated metal gravity drainage pipe through the levee, 22.5 feet below the crown. Concrete headwall on each end. Screw gate on the waterside (WS) end. (Retention of a 42-inch drainage pipe through the levee, 22.5 feet below the crown, and a slide gate on the WS end authorized under Automatic Board Order (ABO) issued as Permit No. 10115, 1974 - Petersen Estate Company, care of R. Moss). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 106, May 1953, (Station 238+36 ""A""), invert elevation 1.5 feet]. FS Date: 8/13/2013						

Photo 1 of 2 : UCIP_SP_2019_20444_34493.jpg



WS view: slide gate, concrete headwall in the channel. Pipe submerged into water.

LM Start	1.10	Rating **	A/W	Issue No.	60 (cont)
LM End	1.10	Issue Type +	Ma	Location *	

Photo 2 of 2 : UCIP_SP_2019_20444_34492.jpg



LS view: concrete headwall in the channel/irrigation ditch. Pipe submerged into water.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	1.14	Rating **	M	Issue No.	47
LM End	1.55	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.256050 °	38.258637 °
				-121.757582 °	-121.753397 °
DWR ID	DWR_RD0536_01_f_2014_47				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Add appropriate gravel to the crown roadway.					

Photo 1 of 1 : SP_2019_RD0536_208_47_20190311_00019.jpg



View looking downstream of the crown. Gravel should be added to the roadway (September 2018).

LM Start	1.45	Rating **	M	Issue No.	17
LM End	1.45	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.259087 °	38.259087 °
				-121.755133 °	-121.755133 °
DWR ID	DWR_RD0536_01_f_2018_17				
Comment Code					
S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.					
Inspector Comment					
Depressions in levee due to cows should be repaired to prevent deeper depressions into levee.					

Photo 1 of 2 : SP_2019_RD0536_208_17_20190311_00005.jpg



View looking upstream at divots in the slope created by cows. Divots are deep enough that they should be corrected (September 2018).

LM Start	1.45	Rating **	M	Issue No.	17 (cont)
LM End	1.45	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : SP_2019_RD0536_208_17_20190311_00006.jpg



Looking down slope at one of the cow divots (September 2018).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	1.60	Rating **	M	Issue No.	22
LM End	1.84	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.258845 °	38.259958 °
				-121.752675 °	-121.748765 °
DWR ID	DWR_RD0536_01_f_2018_22				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
Add appropriate gravel to the crown roadway.					

Photo 1 of 1 : SP_2019_RD0536_208_22_20190311_00012.jpg



View looking upstream at the crown. Surface cracks should be fixed and gravel added to roadway (September 2018).

LM Start	2.69	Rating **	A/W	Issue No.	56
LM End	2.71	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.255197 °	38.254973 °
				-121.737932 °	-121.737577 °
DWR ID	DWR_RD0536_01_f_2014_56				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Possible subsidence in this area has been repaired. Grade was restored and base rock was added to crown. Area looks good on 3/29/18. Should continue to monitor this site for possible future subsidence.					
9/26/2018: Very minor subsidence present. Should be monitored.					

Photo 1 of 2 : SP_2019_RD0536_208_56_20190311_00020.jpg



View looking upstream at minor subsidence. (September 2018).

LM Start	2.69	Rating **	A/W	Issue No.	56 (cont)
LM End	2.71	Issue Type +	Ma	Location *	CR

Photo 2 of 2 : SP_2019_RD0536_208_56_20190311_00021.jpg



3/29/2018: view of crown rutting and possible subsidence that has been repaired.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	2.95	Rating **	C	Issue No.	18
LM End	2.95	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.256047 °	38.256047 °
				-121.733728 °	-121.733728 °
DWR ID	DWR_RD0536_01_f_2017_18				
Comment Code					
CR1 : Monitor and have inspected by geotechnical engineer.					
Inspector Comment					
No cracks visible. Area should continue to be monitored for future cracking.					

No Photos

LM Start	2.99	Rating **	C	Issue No.	19
LM End	3.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Cracking			38.255581 °	38.255562 °
				-121.733117 °	-121.733085 °
DWR ID	DWR_RD0536_01_f_2017_19				
Comment Code					
CR2 : Schedule repair of subsidence prior to the next inspection.					
Inspector Comment					
No cracks visible. Area should continue to be monitored for future cracking.					

No Photos

LM Start	3.43	Rating **	C	Issue No.	20
LM End	3.43	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.255815 °	38.255815 °
				-121.726158 °	-121.726158 °
DWR ID	DWR_RD0536_01_f_2017_20				
Comment Code					
C1 : Add appropriate material and re-grade the levee to bring the crown above the design elevation.					
Inspector Comment					
This area had cracks in Fall 2017. It has been graded and received base rock. It should continue to be monitored for future cracking.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	3.92	Rating **	A/W	Issue No.	62	
LM End	3.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.250781 °	38.250781 °	
				-121.723272 °	-121.723272 °	
DWR ID	22718					
Comment Code						
Inspector Comment						
FS_ID:20503 DS_ID:22718 EP_NO: 10116 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Vortex seen on WS. Water flow seen on LS.Saddle, apron, and headwall not visible. Inlet and outlet pipe-ends are submerged into water. FIELD_STRUCT_DESC: 54-inch corrugated metal gravity drainage pipe through the levee, 30 feet below the crown. Screw gate in a pipe riser on the waterside (WS) slope. Saddle, apron, headwall, two corrugated metal cutoff walls, one No. 101 gate, and one No. 102 gate. (Retention of a 54-inch drainage pipe through the levee, 30 feet below the crown, and a slide gate on the WS slope authorized under Automatic Board Order (ABO) 10116, 1974 - Marion Sanchez Farms). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 106, May 1953, (Station 87+70 ""R""), invert elevation -2 feet]. FS Date: 8/13/2013						

LM Start	3.92	Rating **	A/W	Issue No.	62 (cont)
LM End	3.92	Issue Type +	Ma	Location *	

Photo 1 of 3 : UCIP_SP_2019_20503_34568.jpg



WS view: CMP riser with slide gate on levee slope. Water channel on background.

Photo 2 of 3 : UCIP_SP_2019_20503_34567.jpg



WS view: closer view of slide gate in CMP riser on levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	3.92	Rating **	A/W	Issue No.	62 (cont)	
LM End	3.92	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP LMA Responsibility			38.250781 °	38.250781 °	
				-121.723272 °	-121.723272 °	
DWR ID	22718					
Comment Code						
Inspector Comment						
FS_ID:20503 DS_ID:22718 EP_NO: 10116 Repair Type: No Action Needed Crossing Status: Found UCIP Comments: Vortex seen on WS. Water flow seen on LS.Saddle, apron, and headwall not visible. Inlet and outlet pipe-ends are submerged into water. FIELD_STRUCT_DESC: 54-inch corrugated metal gravity drainage pipe through the levee, 30 feet below the crown. Screw gate in a pipe riser on the waterside (WS) slope. Saddle, apron, headwall, two corrugated metal cutoff walls, one No. 101 gate, and one No. 102 gate. (Retention of a 54-inch drainage pipe through the levee, 30 feet below the crown, and a slide gate on the WS slope authorized under Automatic Board Order (ABO) 10116, 1974 - Marion Sanchez Farms). [Additional Reference(s): DWR Levee Log, 1992. USACE Sacramento O&M Manual 106, May 1953, (Station 87+70 ""R""), invert elevation -2 feet]. FS Date: 8/13/2013						

Photo 3 of 3 : UCIP_SP_2019_20503_34566.jpg



WS view: closer view of slide gate in CMP riser on levee slope. Air vent attached to the wall of CMP (left).

LM Start	3.98	Rating **	M	Issue No.	41
LM End	3.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.250514 °	38.250514 °
				-121.722303 °	-121.722303 °
DWR ID	DWR_RD0536_01_s_2019_41				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove blackberries at least 20' from waterside shoulder.					

Photo 1 of 1 : SP_2019_RD0536_208_41_20190412_00060.jpg



View looking downstream at blackberries on the waterside slope (Spring 2019).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	4.21	Rating **	M	Issue No.	42
LM End	4.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.249374 °	38.249374 °
				-121.718622 °	-121.718622 °
DWR ID	DWR_RD0536_01_s_2019_42				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove blackberries at least 20' from waterside shoulder.					

Photo 1 of 1 : SP_2019_RD0536_208_42_20190412_00061.jpg



View looking downslope at blackberries on the waterside slope (Spring 2019).

LM Start	4.64	Rating **	M	Issue No.	37
LM End	5.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.248151 °	38.245234 °
				-121.711975 °	-121.704770 °
DWR ID	DWR_RD0536_01_s_2019_37				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove wild growth from the bottom of landside slope.					

Photo 1 of 1 : SP_2019_RD0536_208_37_20190418_00064.jpg



View looking downstream at wild growth on the bottom of the landside slope (Spring 2019).

LM Start	4.80	Rating **	M	Issue No.	44
LM End	5.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.246102 °	38.245234 °
				-121.710749 °	-121.704771 °
DWR ID	DWR_RD0536_01_s_2019_44				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	4.80	Rating **	M	Issue No.	43
LM End	5.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.246101 °	38.245234 °
				-121.710749 °	-121.704771 °
DWR ID	DWR_RD0536_01_s_2019_43				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0536_208_43_20190412_00062.jpg



View looking downslope at vegetation at the bottom of the landside (Spring 2019).

LM Start	4.83	Rating **	M	Issue No.	35
LM End	5.18	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.245813 °	38.245236 °
				-121.710307 °	-121.704769 °
DWR ID	DWR_RD0536_01_s_2017_35				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					
Road has been regraded. Some minor ruts still exist.					

No Photos

LM Start	4.92	Rating **	M	Issue No.	26
LM End	4.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.245410 °	38.245410 °
				-121.708895 °	-121.708895 °
DWR ID	DWR_RD0536_01_f_2018_26				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					
Saw a squirrel and a deep squirrel hole. Address before squirrels can establish in the area.					

Photo 1 of 1 : SP_2019_RD0536_208_26_20190311_00017.jpg



View of squirrel hole on the landside slope (September 2018).

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	4.94	Rating **	M	Issue No.	16
LM End	4.95	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.245581 °	38.245667 °
				-121.708605 °	-121.708327 °
DWR ID	DWR_RD0536_01_f_2018_16				
Comment Code					
Inspector Comment					
2017 Site ID: LDS 0.8 R					
Status: Eroding					
2017 Field Notes: additional erosion at toe.					
Site History: 2011 - Multiple erosion pockets from tree popouts. A smaller erosion pocket in the middle of a failing bank repair. Pump structure at the downstream end may be contributing to the erosion.					

Photo 1 of 1 : SP_2019_RD0536_208_16_20190311_00004.jpg



Deeper erosion at the toe with roots exposed (September 2018).

LM Start	5.00	Rating **	U	Issue No.	15
LM End	5.05	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey, DRAFT			38.245981 °	38.246326 °
				-121.707609 °	-121.706737 °
DWR ID	DWR_RD0536_01_f_2018_15				
Comment Code					
Inspector Comment					
2017 Site ID: LDS 0.7 R Status: Critical 2017 Field Notes: Upgraded to CRITICAL. Erosion pocket has increased significantly in the last year. 2018 Field Notes: Erosion pocket is large, agree with Critical status. Site History: 2011 - Levee toe is unraveling with large slumping sections. This site is downstream of old bank rock. 2012 - Erosion pocket has increased in size. 2016 - Site continues to erode.					

Photo 1 of 1 : SP_2019_RD0536_208_15_20190311_00003.jpg



Large erosion pocket on the waterside slope extends deep into slope (September 2018).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Lindsey Slough	Right	5.58	04/11/2019 04/11/2019	David Julian

LM Start	5.32	Rating **	M	Issue No.	33
LM End	5.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.245684 °	38.245605 °
				-121.702299 °	-121.697729 °
DWR ID	DWR_RD0536_01_s_2018_33				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

LM Start	5.47	Rating **	U	Issue No.	27
LM End	5.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.245552 °	38.245602 °
				-121.699588 °	-121.697552 °
DWR ID	DWR_RD0536_01_f_2018_27				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Willows and black berry bushes up to the crown needs to be controlled.					

Photo 1 of 1 : SP_2019_RD0536_208_27_20190311_00018.jpg



View of vegetation on the waterside up to the crown that is blocking visibility (September 2018).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	5.01	04/11/2019 04/11/2019	David Julian

LM Start	0.10	Rating **	C	Issue No.	8
LM End	0.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.244120 °	38.234465 °
				-121.696967 °	-121.697995 °
DWR ID	DWR_RD0536_02_s_2018_8				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Vegetation relatively thick and greater than 1 foot.					

No Photos

LM Start	0.10	Rating **	C	Issue No.	9
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.244119 °	38.234465 °
				-121.696967 °	-121.697995 °
DWR ID	DWR_RD0536_02_s_2018_9				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Vegetation relatively thick and greater than 1 foot.					

No Photos

LM Start	0.12	Rating **	U	Issue No.	7
LM End	2.15	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.243804 °	38.214737 °
				-121.696941 °	-121.694040 °
DWR ID	DWR_RD0536_02_s_2019_7				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain the annual vegetation.					

Photo 1 of 1 : SP_2019_RD0536_209_7_20190412_00020.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	5.01	04/11/2019 04/11/2019	David Julian

LM Start	0.12	Rating **	U	Issue No.	16
LM End	2.15	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.243803 °	38.214737 °
				-121.696942 °	-121.694040 °
DWR ID	DWR_RD0536_02_s_2019_16				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain the annual vegetation.					

Photo 1 of 1 : SP_2019_RD0536_209_16_20190412_00021.jpg



View looking downstream at annual vegetation on the waterside slope (Spring 2019).

LM Start	0.13	Rating **	M	Issue No.	10
LM End	0.13	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.243703 °	38.243703 °
				-121.696992 °	-121.696992 °
DWR ID	DWR_RD0536_02_s_2017_10				
Comment Code					
V9 : Keep the crown roadway free of vegetation.					
Inspector Comment					
Remove the vegetation on the crown.					

Photo 1 of 1 : SP_2019_RD0536_209_10_20190311_00004.jpg



View looking upstream at vegetation on the crown (September 2018).

LM Start	1.19	Rating **	U	Issue No.	17
LM End	1.19	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.228329 °	38.228329 °
				-121.697716 °	-121.697716 °
DWR ID	DWR_RD0536_02_s_2019_17				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0536_209_17_20190412_00022.jpg



View looking downstream at deep rut on the crown (Spring 2019).

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	5.01	04/11/2019 04/11/2019	David Julian

LM Start	1.24	Rating **	U	Issue No.	18
LM End	1.24	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.227689 °	38.227689 °
				-121.697644 °	-121.697644 °
DWR ID	DWR_RD0536_02_s_2019_18				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0536_209_18_20190412_00023.jpg



View looking downstream at deep rut on the crown (Spring 2019).

LM Start	1.35	Rating **	U	Issue No.	19
LM End	1.35	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.226011 °	38.226011 °
				-121.697401 °	-121.697401 °
DWR ID	DWR_RD0536_02_s_2019_19				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0536_209_19_20190412_00024.jpg



View looking slightly downstream at deep rut on the crown (Spring 2019).

LM Start	1.47	Rating **	U	Issue No.	20
LM End	1.47	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.224413 °	38.224413 °
				-121.697100 °	-121.697100 °
DWR ID	DWR_RD0536_02_s_2019_20				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0536_209_20_20190412_00025.jpg



View looking slightly downstream at deep rut on the crown (Spring 2019).

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	5.01	04/11/2019 04/11/2019	David Julian

LM Start	2.17	Rating **	U	Issue No.	13
LM End	2.61	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.214453 °	38.208553 °
				-121.693932 °	-121.690903 °
DWR ID	DWR_RD0536_02_s_2018_13				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Remove vegetation on the waterside slope.					

Photo 1 of 1 : SP_2019_RD0536_209_13_20190311_00007.jpg



View looking slightly downstream at thick vegetation all the way up to the crown (September 2018).

LM Start	2.47	Rating **	U	Issue No.	21
LM End	3.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.210443 °	38.197441 °
				-121.691972 °	-121.683680 °
DWR ID	DWR_RD0536_02_s_2019_21				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

Photo 1 of 1 : SP_2019_RD0536_209_21_20190412_00026.jpg



View looking downstream at annual vegetation on the landside slope (Spring 2019).

LM Start	2.57	Rating **	M	Issue No.	22
LM End	2.57	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.209072 °	38.209072 °
				-121.691199 °	-121.691199 °
DWR ID	DWR_RD0536_02_s_2019_22				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	5.01	04/11/2019 04/11/2019	David Julian

LM Start	2.62	Rating **	M	Issue No.	23
LM End	3.48	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.208471 °	38.197441 °
				-121.690852 °	-121.683680 °
DWR ID	DWR_RD0536_02_s_2019_23				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Maintain the annual vegetation.					

Photo 1 of 1 : SP_2019_RD0536_209_23_20190412_00027.jpg



View looking downstream at annual vegetation on the waterside slope (Spring 2019).

LM Start	2.72	Rating **	M	Issue No.	24
LM End	2.72	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.207107 °	38.207107 °
				-121.690011 °	-121.690011 °
DWR ID	DWR_RD0536_02_s_2019_24				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

LM Start	3.90	Rating **	M	Issue No.	15
LM End	3.90	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			38.196752 °	38.196752 °
				-121.690995 °	-121.690995 °
DWR ID	DWR_RD0536_02_s_2019_15				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Reclamation District No. 0536 Egbert

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Yolo Bypass	Right	5.01	04/11/2019 04/11/2019	David Julian

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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